

## EAST Search History

| Ref # | Hits | Search Query  | DBs                        | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------------------------|------------------|---------|------------------|
| S123  | 13   | S122 and ((gan or (gallium adj nitride)) with (mg or magnesium))  | US-PGPUB; USPAT            | OR               | ON      | 2007/10/05 16:08 |
| S124  | 0    | S122 and ((mg or magnesium). with phosphorus)   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/05 16:09 |
| S118  | 8    | ((gan or (gallium adj nitride)) with doped with (mg or magnesium) with phosphorus)                              | US-PGPUB; USPAT            | OR               | ON      | 2007/10/05 16:09 |
| S134  | 11   | S133 and (replace or replaced or replacing)   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/10 13:00 |
| S136  | 4    | S135 not S134   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/10 13:07 |
| S147  | 0    | S146 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/11 16:32 |
| S91   | 35   | (isovalent or isovalency) and (("257"/\$3.cor.) or ("438"/\$3.cor.))  | US-PGPUB; USPAT            | OR               | ON      | 2007/10/11 16:32 |
| S150  | 46   | ((oxide adj semiconductor) with (sulfur or selenium or tellurium) )   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/11 16:47 |
| S149  | 0    | ((oxide adj semiconductor) with (sulfur or selenium or tellurium) with (replace or replaced or replacing) )     | US-PGPUB; USPAT            | OR               | ON      | 2007/10/11 16:47 |
| S151  | 4    | ((zno or (zinc adj oxide)) with (sulfur or selenium or tellurium) with (replace or replaced or replacing) )     | EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/10/11 17:06 |
| S156  | 0    | S155 and (zno or (zinc adj oxide))  | US-PGPUB; USPAT            | OR               | ON      | 2007/10/11 17:09 |
| S159  | 27   | S158 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/11 17:36 |
| S153  | 23   | S152 and semiconductor  | EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/10/11 17:36 |
| S161  | 0    | ((oxide adj semiconductor) same ( (sulfur or selenium or tellurium) with (replace or replaced or replacing) ) ) | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 16:45 |
| S163  | 1    | S162 and (zno or (zinc adj oxide))  | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:04 |
| S168  | 1    | S167 and (@ad<"20040304" or @rlad<"20040304")   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:08 |
| S167  | 9    | S166 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:08 |
| S164  | 20   | S162 and (@ad<"20040304" or @rlad<"20040304")   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:08 |
| S175  | 44   | S174 and (@ad<"20040304" or @rlad<"20040304")   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:10 |
| S174  | 62   | S173 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:10 |
| S171  | 2    | S170 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))   | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:10 |
| S177  | 5    | (oxide adj semiconductor) and S175  | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:11 |
| S176  | 2    | (zno or (zinc adj oxide)) and S175  | US-PGPUB; USPAT            | OR               | ON      | 2007/10/12 17:11 |

## EAST Search History

|          |    |  |                    |    |    |                  |
|----------|----|--|--------------------|----|----|------------------|
| S18<br>0 | 2  | S179 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))  | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 21:58 |
| S16<br>5 | 8  | S164 and (("257"/\$3.cor.) or ("438"/\$3.cor.) or ("372"/\$3.cor.))  | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 21:58 |
| S16<br>2 | 26 | ((oxide adj semiconductor) and ( (sulfur or selenium or tellurium) with (replace or replaced or replacing) ) ) | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 21:58 |
| S18<br>3 | 0  | S182 and ( (sulfur or selenium or tellurium) with ((replace or replaced or replacing) near2 oxygen) )          | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 21:59 |
| S18<br>5 | 24 | S182 and ( (sulfur or selenium or tellurium) near2 oxygen)   | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 22:05 |
| S19<br>0 | 21 | S185 and (@ad<"20050915" or @rlad<"20050915")  | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 22:06 |
| S18<br>9 | 21 | S185 and (@ad<"20050915" or @rlad<"20050915")  | US-PGPUB;<br>USPAT | OR | ON | 2007/10/13 22:06 |